

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 January 2004 (08.01.2004)

PCT

(10) International Publication Number
WO 2004/003054 A1

- (51) International Patent Classification⁷: **C08G 63/00**, C08L 67/00
- (21) International Application Number: PCT/EP2003/006907
- (22) International Filing Date: 30 June 2003 (30.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
02014537.1 1 July 2002 (01.07.2002) EP
- (71) Applicant (*for all designated States except US*): **UCB, S.A.** [BE/BE]; Allée de la Recherche, 60, B-1070 Brussels (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **DEPUYDT, Lieven** [BE/BE]; Berthoutsstraat, 1, B-1860 Meise (BE). **VAN DEN BERGEN, Hugues** [BE/BE]; Champ du Vert Chasseur 84, B-1000 Bruxelles (BE). **DECAUX, Marc** [BE/BE]; Rue Groeselenberg 172, B-1180 Uccle (BE). **RANDOUX, Thierry** [BE/BE]; Rue Georges Rodenbach 13, B-1420 Braine l'Alleud (BE).
- (74) Agent: **BARUH, Colette**; UCB, S.A., Intellectual Property Department, Allée de la Recherche, 60, B-1070 Brussels (BE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **WATER-THINNABLE POLYMER PRECURSORS, THEIR PREPARATION AND USE**

(57) **Abstract:** The present invention is directed towards water-thinnable phosphorous-containing polymers precursors, their preparation and use. The precursors of the invention are useful in compositions for preparing coatings which impart and/or exhibit resistance to attack, for example which are useful as flame-retardant coatings.

ATTACHMENT D

WO 2004/003054 A1